

09/17/1992

Fig. 1 PRIOR ART

100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120

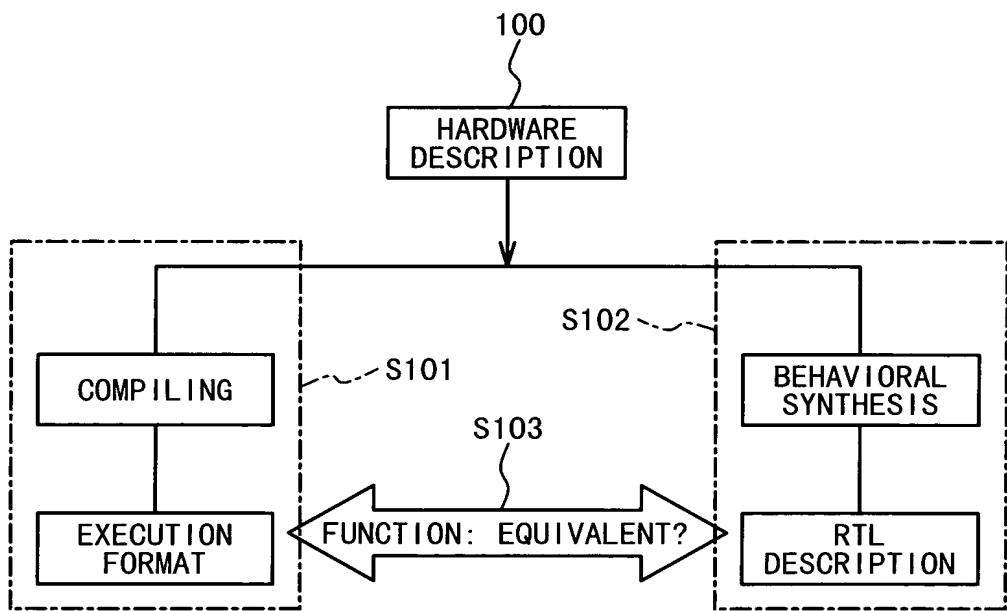


Fig. 2

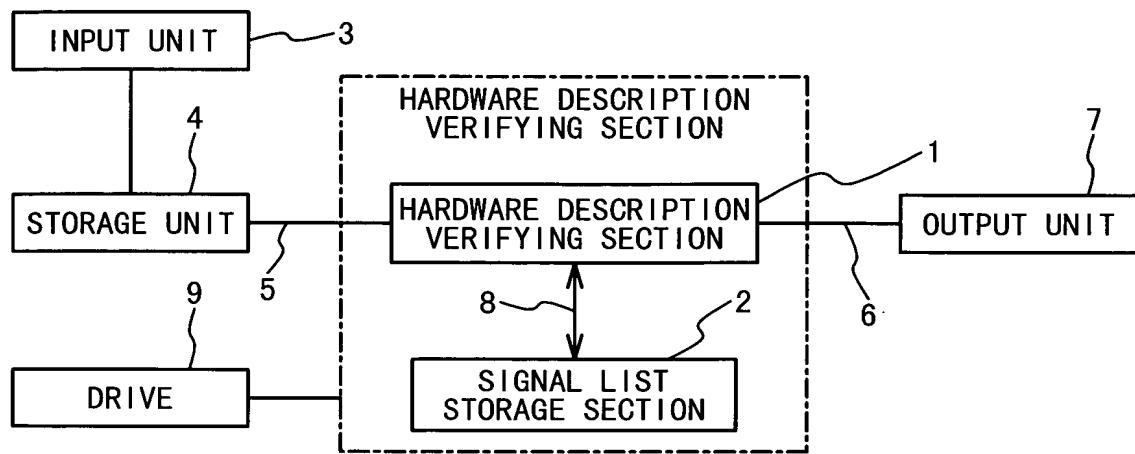


Fig. 3

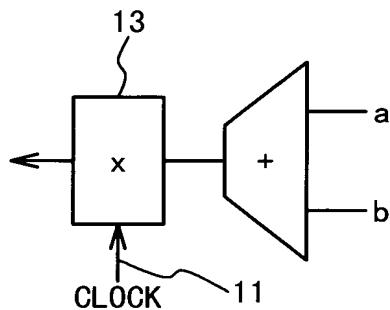


Fig. 4

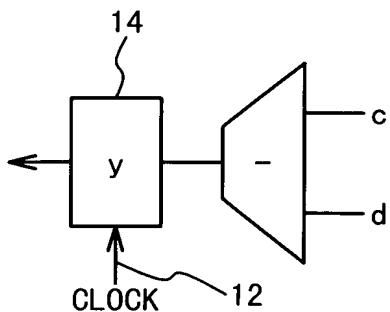


Fig. 5

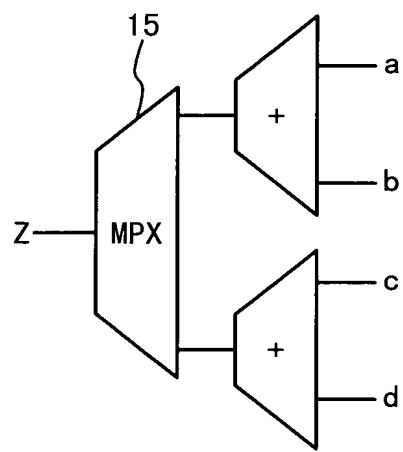
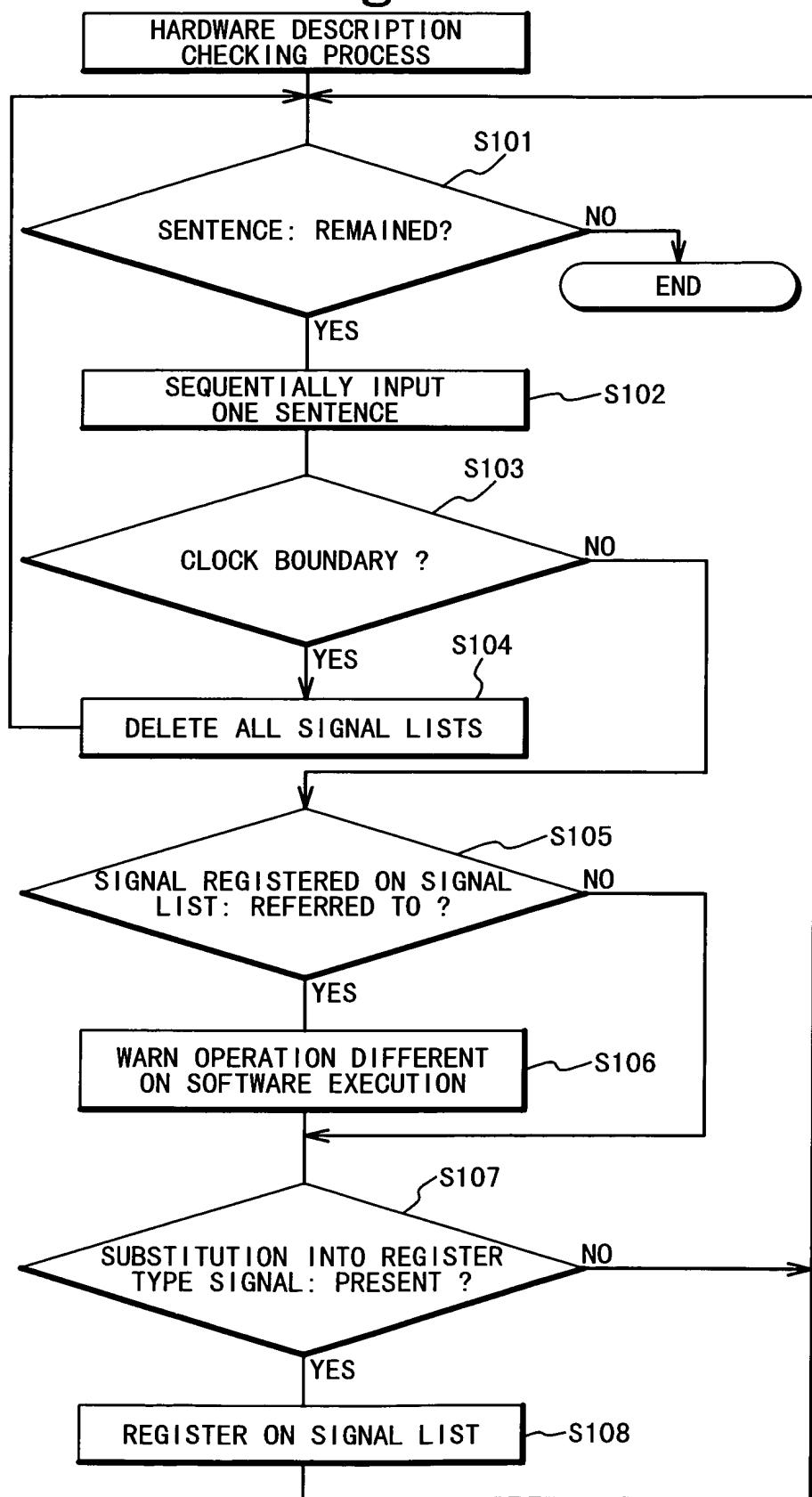


Fig. 6



## Fig. 7

```
/* REG.C */  
  
#ifdef C  
# define REG UNSIGNED INT  
#endif  
  
MAIN()  
/* C */  
/* HDL */  
/* LIST */  
  
INT T;  
REG x, y;  
  
x = 0; /* x=0 */  
CLOCK(); /* x=0 */  
x = 1; /* x=1 */  
t = 3; /* t=3 */  
y = x + t; /* y=4 */  
CLOCK(); /* t=3 */  
  
/* x=1, Y=3 */  
/* {} */  
/* {x} */  
/* {} */  
/* {x} */  
/* {} */  
/* {x} */  
/* {} */  
/* {x, y} */  
/* {} */  
/* S105, S107 */  
/* S103 */  
/* S107 */  
/* S103 */
```

Fig. 8

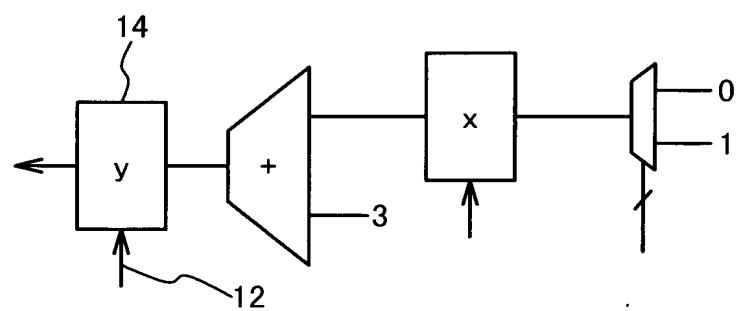
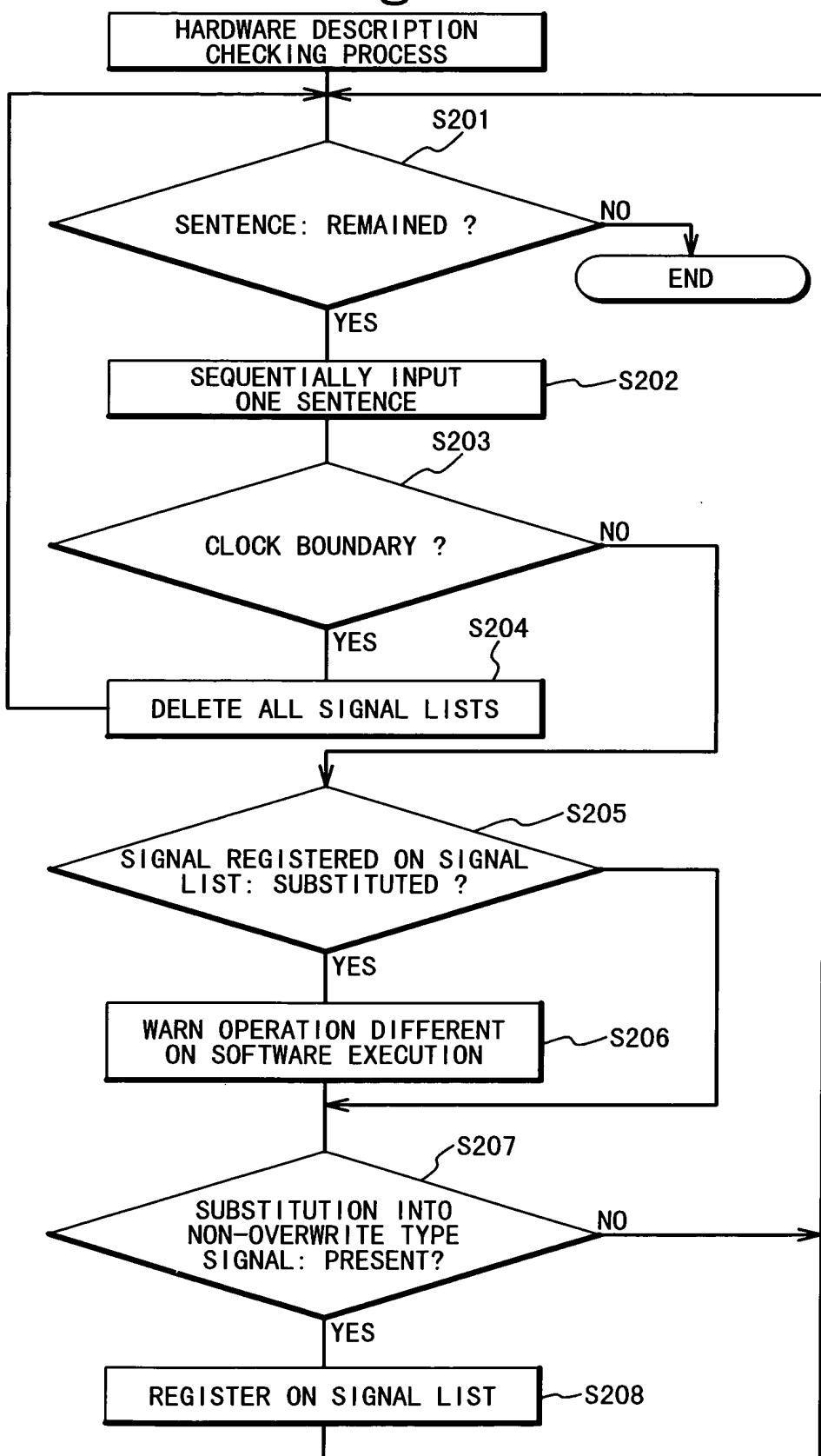


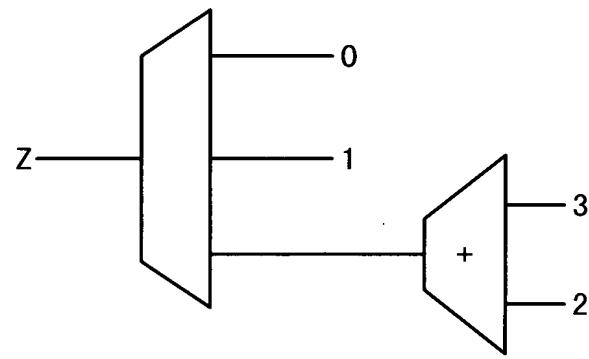
Fig. 9



4020-2021242260

10  
1  
.  
60  
-  
E

Fig. 11



12  
1.  
60  
-  
F

Fig. 13

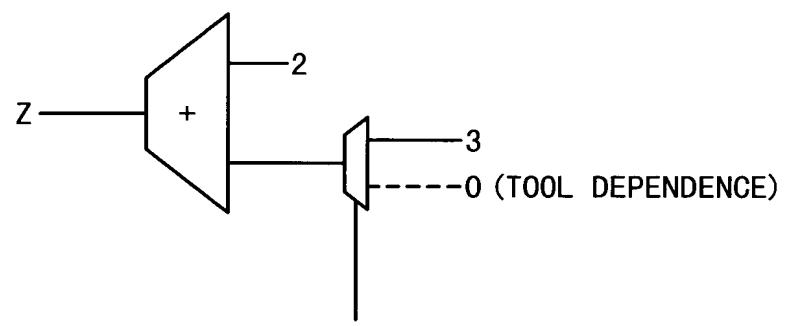
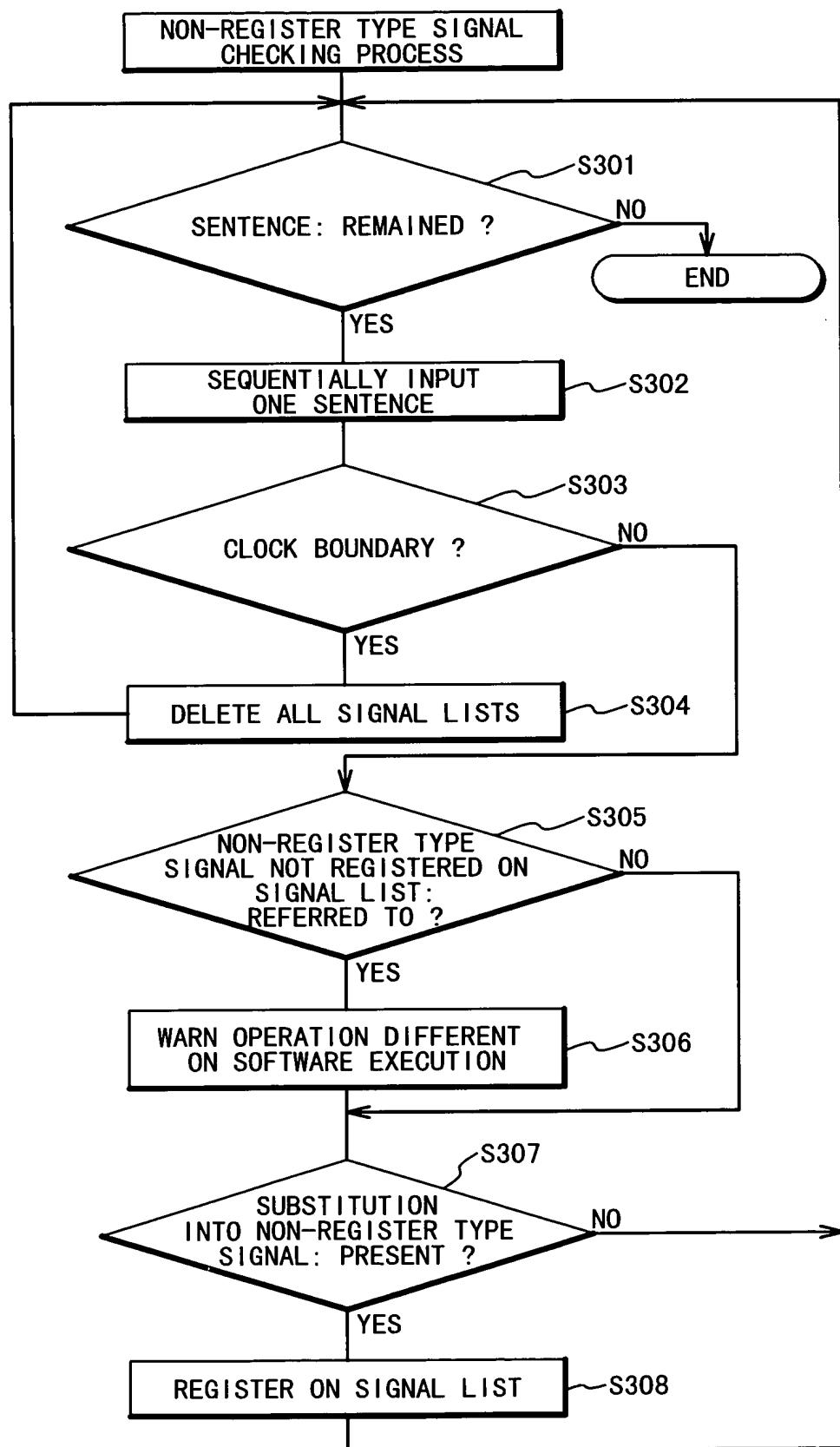


Fig. 14



15  
1  
.  
60  
-  
F

Fig. 16

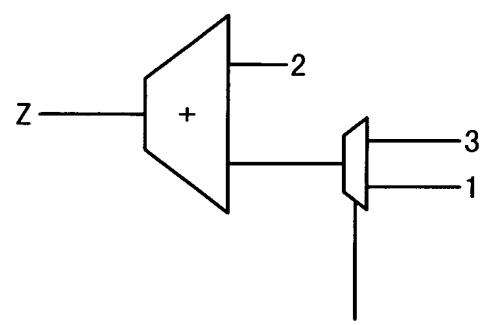
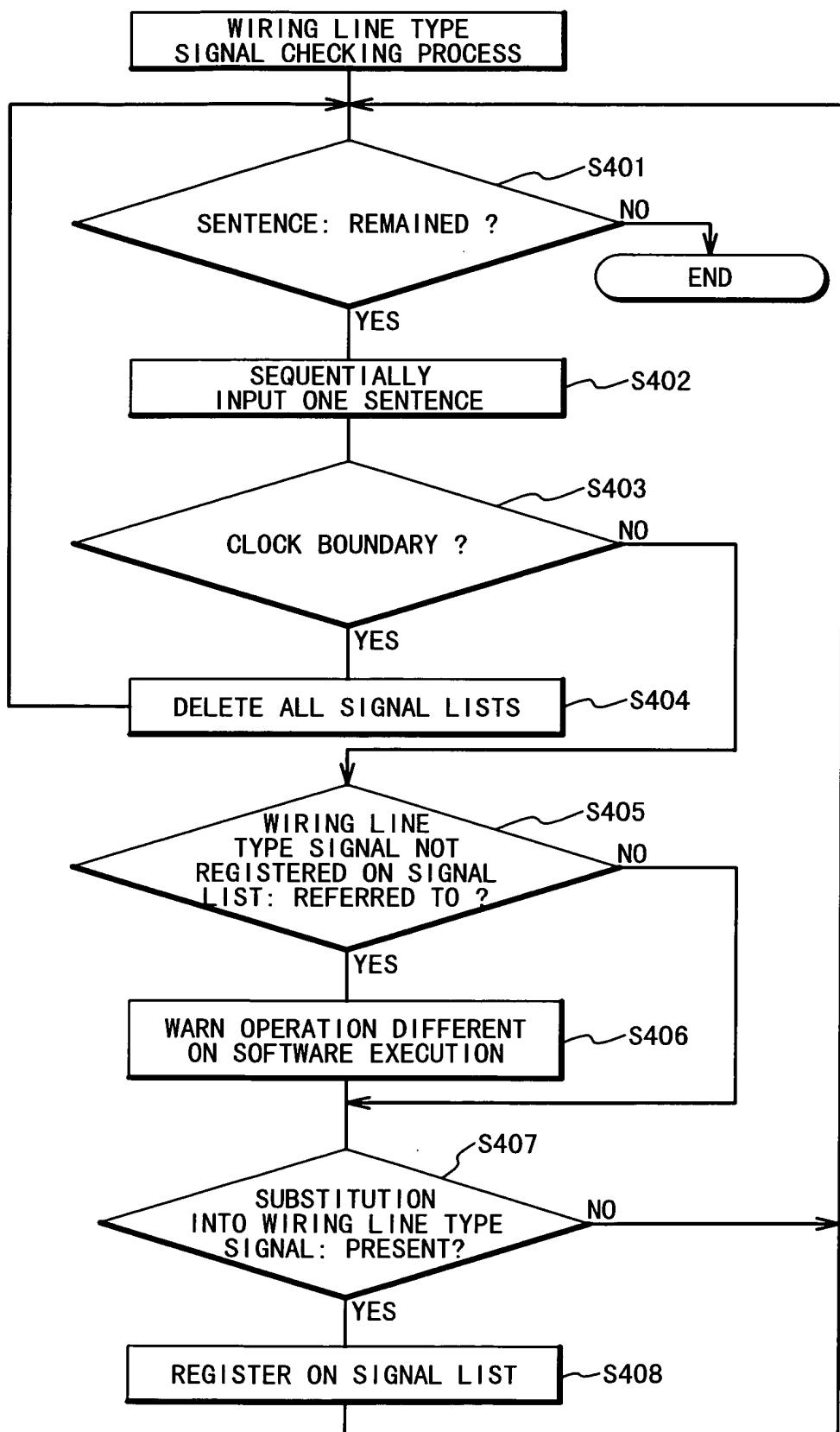


Fig. 17



# Fig. 18

```
/* AND.C */  
  
MAIN()  
{  
    INT a, i;  
  
    /* C */  
    /* HDL */  
  
    i = 0;          /* i=0 */  
    a = 0;          /* a=0 */  
    CLCK();  
    if(i >0 && a++) {  
        /* a=0 */  
        /* a=1 */  
        i = 0;  
    }  
    CLCK();
```

Fig. 19

